



## SCS Engineering Release Notice

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*Phase20 GCA Release Version 20.00.00.00 - MPS\_LSI\_Phase20.0 (SCGCQ00768547)*

*(SCGCQ00768547) - Phase20 GCA Release Version 20.00.00.00 - MPS LSI Phase20.0*

*(SCGCQ00747479) - Phase20 Beta Release Version 19.255.03.00 - MPS LSI Phase20.0*

*(SCGCQ00740589) - Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS LSI Phase20.0*

*(SCGCQ00729613) - Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS LSI Phase20.0*



## SCS Engineering Release Notice

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*Phase20 GCA Release Version 20.00.00.00 - MPS\_LSI\_Phase20.0 (SCGCQ00768547)*

***Defects=0, Enhancements=0 (Version Change Only)***



## SCS Engineering Release Notice

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*Phase20 Beta Release Version 19.255.03.00 - MPS\_LSI\_Phase20.0 (SCGCQ00747479)*

### **Change Summary ( Enhancements=2)**

SCGCQ00651415 (CSET) - FreeBSD - Per-device Error Recovery

SCGCQ00723611 (CSET) - Provide option to enable/disable SATA drive spindown for ALL SATA devices and selectively bet' HDD and SSD devices.



# SCS Engineering Release Notice

Phase20 Beta Release Version 19.255.03.00 - MPS\_LSI\_Phase20.0 (SCGCQ00747479)

## Total Enhancements Implemented (2)

### (SCGCQ00651415 - Port of SCGCQ00651411)

Enhancement 1/2

**HEADLINE:** FreeBSD - Per-device Error Recovery

**NEW FUNCTIONALITY:** All Task Management requests will freeze the devq for the target device that is sent the TM. This will allow other I/O requests to different devices controlled by the same HBA to continue. When the TM completes, the devq for that target device is released and I/O can then continue to that device.

### (SCGCQ00723611 - Port of SCGCQ00696230)

Enhancement 2/2

**HEADLINE:** Provide option to enable/disable SATA drive spindown for ALL SATA devices and selectively bet' HDD and SSD devices.

**NEW FUNCTIONALITY:** Added a new sysctl variable called disable\_SSU. The variable defaults to a value of 1. Valid values range from 0 to 3. Any value outside of that range will be taken as the default value of 1. Values for the disable\_SSU sysctl variable will force a Start/Stop Unit command to be sent to direct-attached SATA disks as follows:

- 0 = SSU disabled on both HDD and SSD
- 1 = SSU enabled on SSD, disabled on HDD
- 2 = SSU enabled on HDD, disabled on SSD
- 3 = SSU enabled on both HDD and SSD



## SCS Engineering Release Notice

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*Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS\_LSI\_Phase20.0 (SCGCQ00740589)*

### **Change Summary ( Enhancements=1)**

SCGCQ00729447 (ENHREQ) - SAS2 Ph20 --- Update Attribution Language - Copyright, Trademark, Confidentiality to Avago



# SCS Engineering Release Notice

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*Phase20 Pre-Alpha Release Version 19.255.02.00 - MPS\_LSI\_Phase20.0 (SCGCQ00740589)*

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## ***Total Enhancements Implemented (1)***

**(SCGCQ00729447)**

*Enhancement 1/1*

**HEADLINE:** SAS2 Ph20 --- Update Attribution Language - Copyright, Trademark, Confidentiality to Avago

**NEW FUNCTIONALITY:** Updated all copyright notices, trademark names and PCI device names to the appropriate information.

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*Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS\_LSI\_Phase20.0 (SCGCQ00729613)*

### **Change Summary ( Defects=1 Enhancements=1)**

SCGCQ00627889 (DFCT) - FreeBSD SAS2 Phase19 driver- Copyright information is not updated in all .c and .h in driver source

SCGCQ00681100 (ENHREQ) - Add driver support for FreeBSD 9.3.0



# SCS Engineering Release Notice

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Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS\_LSI\_Phase20.0 (SCGCQ00729613)

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## Total Defects Resolved (1)

(SCGCQ00627889)		Defect 1/1
<b>HEADLINE:</b>	FreeBSD SAS2 Phase19 driver- Copyright information is not updated in all .c and .h in driver source	
<b>DESC OF CHANGE:</b>	Added copyright dates of 2014 where needed.	
<b>TO REPRODUCE:</b>	N/A	
<b>ISSUE DESC:</b>	Driver source files have old copyright information in .c and .h files.	

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# SCS Engineering Release Notice

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*Phase20 Pre-Alpha Release Version 19.255.01.00 - MPS\_LSI\_Phase20.0 (SCGCQ00729613)*

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## *Total Enhancements Implemented (1)*

**(SCGCQ00681100)**

*Enhancement 1/1*

**HEADLINE:** Add driver support for FreeBSD 9.3.0

**NEW FUNCTIONALITY:** Added 9.3.0 to build tree and to the buildall.sh script.

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